

Memorandum

Date: July 8, 2010

To: Chuck Armor
Regional Manager
Region 3, Bay Delta

From: Virginia Afentoulis
Fishery Biologist
Region 3, Bay-Delta

Subject: 2010 Summer Townet Survey Delta Smelt Index

The Summer Townet delta smelt abundance index for 2010 is 0.8. This index is the highest recorded in the last 6 years; however it remains low compared to indices of the early 2000s (Figure 1). The Townet delta smelt abundance index is calculated as the mean of the first 2 survey indices. This year the first 2 surveys occurred during the weeks of June 14 (Survey 1) and June 28 (Survey 2).

The majority of delta smelt were caught during Survey 1 ($n = 39$) and in Survey 2 the catch declined ($n = 17$). During Survey 1, delta smelt were caught in Suisun Bay and the confluence of the Sacramento and San Joaquin rivers. During Survey 2, the delta smelt catch came mostly from Grizzly Bay.

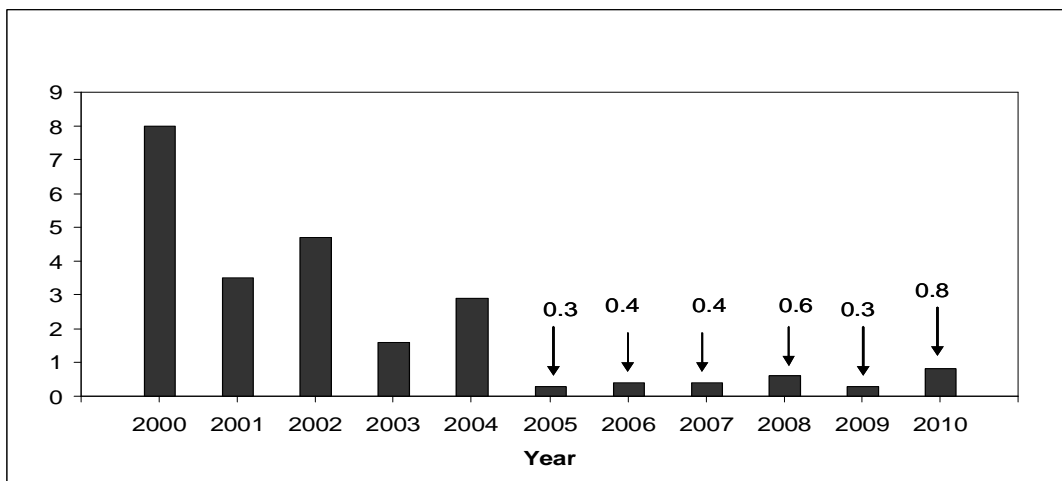


Figure 1. Summer Townet Survey delta smelt abundance indices for years 2000 through 2010 of the 1959

through 2010 survey sampling period.

